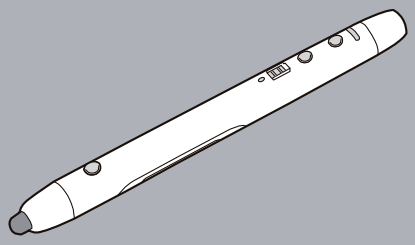
Panasonic

Model No.
TH-65PB1E

Operating Instructions
Electronic Pen Operations
Interactive Plasma Display



English

Please read these instructions before operating your set and retain them for future reference.

Introduction

Abbreviations

Windows® refers to the Microsoft® Windows® operating system.
Windows® XP refers to the Microsoft® Windows® XP operating system.
Windows Vista® refers to the Microsoft® Windows Vista® operating system.
Windows® 7 refers to the Microsoft® Windows® 7 operating system.
DirectX® refers to the Microsoft® DirectX® application programming interface.

Trademarks

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Help of the Software

Instructions for elite Panaboard software and elite Panaboard book (included) are provided in the help information accompanying the software.
For details on accessing this information, see “Viewing the Help of the Software” (see page 15).

System Requirements

Computer	IBM® PC/AT compatible with a DVD-ROM drive
CPU	Intel® Pentium® 4 processor or later
Operating System	Windows(R) XP SP3 or later / Windows Vista(R) SP2 or later / Windows 7 (except for Starter and Home Basic versions) (Windows XP 64-bit edition is not supported.)
Interface	USB 2.0

Note

- For details about the system requirements, refer to “Read Me First” (see page 12) in the install menu of the included DVD-ROM.
- Even when the system requirements are met, the Interactive Plasma Display response may be delayed or the electronic pen may malfunction if other applications, anti-virus software, etc. are active.

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Safety Precautions

WARNING

Operating Safeguards

Do not alter the unit or modify any parts. Alteration or modification can cause fire or electric shock.

Choking Hazard

Keep the penpoint, electronic pen adapter and battery out of reach of children to prevent swallowing.

Battery

Use only the specified type of battery. Using the incorrect type of battery can result in overheating/ burning or leakage of battery acid.

Make sure that the battery is installed with the correct polarity as indicated on the battery holder. Incorrectly installed batteries may burst or leak, resulting in injuries.

Do not use the damaged batteries. Using damaged batteries may result in leaking.

Do not short, heat, break or throw in a fire, as it may result in the battery leaking, generating heat, or bursting.

When disposing of the battery, cover the battery contacts with insulation (ex. tape). Direct contact with other batteries may result in leaking, fire, or explosion.

Do not solder the battery, as it may result in the battery leaking, generating heat, or bursting.

Remove empty batteries immediately to avoid battery fluid leakage.
Avoid contact of battery fluid with eyes, skin or clothing, as this may result in irritation or injury. In these cases, do not rub the affected area, and rinse thoroughly with clean water.

Electronic Pen

Do not use near medical equipment.
(Do not bring into a surgery room, intensive care unit, critical care unit, etc.)
Electromagnetic waves generated by this device can affect equipment, and can cause equipment to malfunction.

Do not use near automatic doors, smoke detectors and other automatically controlled equipment.
Electromagnetic waves generated by this device can affect equipment, and can cause equipment to malfunction.

Use at least 22 cm away from pacemakers.
Electromagnetic waves generated by this device can affect the operation of pacemakers.

⚠ CAUTION

When the unit is not used over an extended period of time, take the batteries out of the unit. Otherwise, the batteries may leak. Do not use the leaked batteries.

Precautions

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

About Using the Battery

If a battery is used improperly, the battery may leak, causing corrosion of the unit, or it may burst. To prevent this, always follow the precaution given below.

- If the electronic pen ceases to function because the battery has run out, remove it immediately and dispose of it according to local regulations. Leaving a drained battery in the electronic pen may result in leakage.

Other Information

Usage Note

Operating the electronic pen and the electronic pen adapter near electrical appliances may cause interference. Move away from the electrical appliances such as TVs, radios, cordless phone, or wireless devices.

MEDICAL

Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2.405 GHz to 2.480 GHz, and the power output level is 1 milliwatts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

No responsibility will be taken by our company with respect to consequences resulting from the use, damage or both of the equipment.

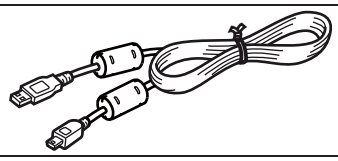
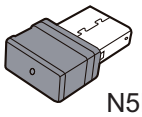
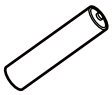
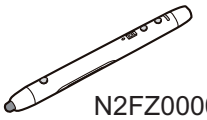
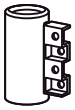
Requests regarding handling

- **Do not push down hard on the Pen tip.**
- **If there is surface contamination of the electronic pen, wipe it off with a soft cloth.**
  For heavy contamination, wipe it off with a soft cloth dampened with a mild soap solution after squeezing water out of the cloth, and then dry the surface with a soft, dry cloth. Ingress of water droplets may cause a failure.
- **Do not drop the electronic pen because it may get broken or malfunction.**
- **Do not use the pen tip if foreign material is adhering to it or if it is deformed or damaged.**
  Doing so may dirty or scratch the screen.
- **Do not store the electronic pen with its pen tip pressed. If it is stored in an ordinary pen stand, the pen tip will be kept pressed and that may weaken the internal spring or damage the pen tip.**
- **Because it is protruding, be careful not to bump or catch any object on the pen tip of the electronic pen. Also if this part is covered, the electronic pen will not function correctly.**
- **Do not use the electronic pen for other purposes than operating the Interactive Plasma Display.**

Accessories Supplied

Check that all of the following items are included with your Interactive Plasma Display.
In the event that an item is missing, please contact your dealer.

List of Accessories (Electronic Pen set)

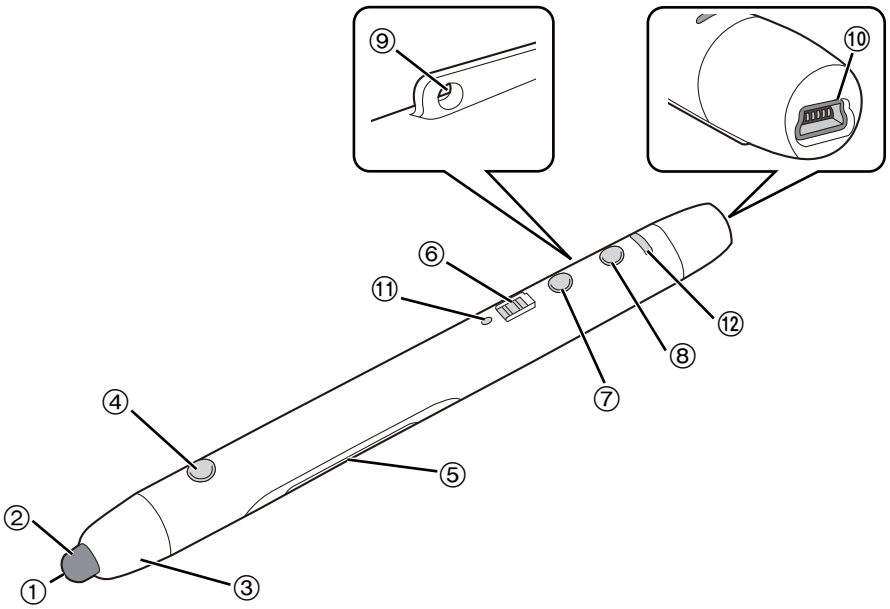
Recharger Cable (2m)	2	Electronic Pen Adapter	1	Rechargeable AAA Ni-MH Battery*	2
		 N5EDZ0000006			
Electronic Pen	2	Pen Tip (Replacement)	2	Pen Holder	2
 N2FZ00000008		TKKL5543			

Note

- Store the extra pen tip along with this operating instructions.
- To purchase separately sold items, contact your dealer.

* The supplied rechargeable battery is only for this electronic pen. When replacing the rechargeable battery, replace it with a commercially available rechargeable AAA Ni-MH battery. (HHR-4MVE)

Names and Uses of the Parts



① Light receiving window

② Pen tip

In the electronic pen mode, you can draw by touching the screen with it.
In the mouse mode, touching with it functions as a “left button of mouse”.
Touching and holding with it in the mouse mode functions as a “right-click of mouse”.

③ Pen tip cover

④ Menu button

Press and hold this button and touch the screen to display the drawing menu.

⑤ Battery cover

⑥ Power switch

Turns the power of the electronic pen on/off.
Slide it to the recharger port side to turn “on” and to the pen tip side to turn “off”.

⑦ Mouse/pen switching button

Switches the mode (mouse mode or electronic pen mode) of the electronic pen.
Mouse mode: Select to work on the select function menu or elite Panaboard book.
Electronic pen mode: Select to draw or erase drawn data.

⑧ Function button

Select the function (color or eraser) of the electronic pen.

⑨ Strap loop

Use it for attaching a strap.

⑩ Recharger port

Connect the included recharger cable when charging.

⑪ **Power indicator**

Lights green when the power of the electronic pen is “on”.
Blinks green when the battery of the electronic pen is low.
Lights red during charging and turns off when charging is completed.
Blinks red when no rechargeable battery is in during charging or when an incompatible battery is used.

Power indicator	Operation state
Off	Power “off”
Lighting green	Power “on”
Blinking green	Low battery
Lighting red	Charging
Blinking red	Charging error

⑫ **Function indicator**

Indicates the selected function of the electronic pen.

Off/Red/Blue/Yellow	Draws in the selected color using a marker. • When the indicator is off, the pen becomes a black marker pen. • When yellow is selected, the pen becomes a highlighter. • Line thickness of the marker/highlighter can be selected in the drawing menu.
White	Erases drawn data. • Size of the eraser can be selected in the drawing menu.
White (Blinking)	Mouse mode
Blinking red and green alternately	Electronic pen registration mode (see page 13) Electronic pen is not registered.

Notice

- Check that the power indicator is green when using the electronic pen.
- Contact the pen tip to the screen when using the electronic pen.
- Using the electronic pen with the wireless module (ET-WM200E) connected may result in malfunction of the electronic pen due to radio wave interference as an example. In that case, set “Wireless Lan” to “Off” before using the electronic pen. (See Network Operations of the operating instructions)

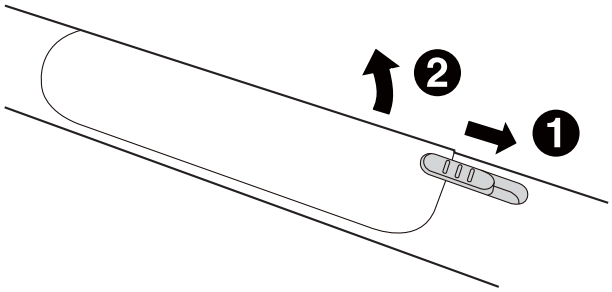
Notes

- You can use up to three electronic pens at the same time.
- If a certain time (approx. 5 seconds) has passed without operation, the electronic pen enters the sleep state to save power consumption.

Preparation

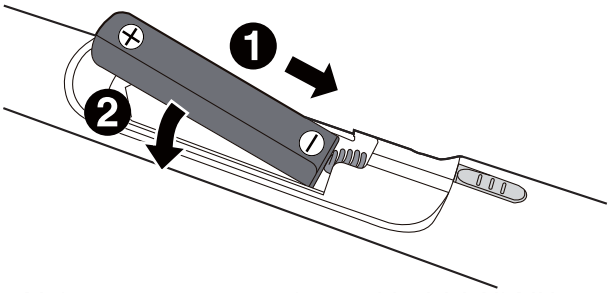
Inserting (Replacing) Batteries

1. Unlock the battery cover (❶), and open the cover (❷).



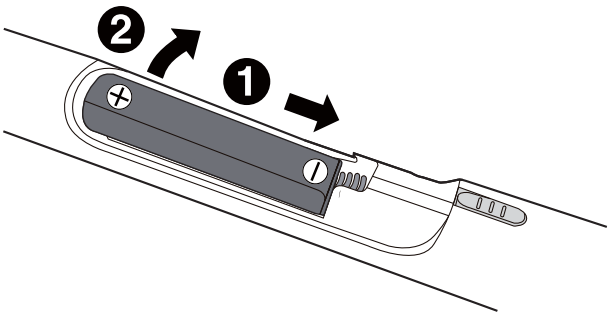
- When replacing the cover, follow the procedure in reverse.

2. Insert (replace) the battery, and then reattach the cover and lock it.



- Make sure to use a rechargeable AAA Ni-MH battery or a AAA alkaline battery (LR03), and ensure that ⊕ and ⊖ face the correct directions.
- Dispose of expired batteries quickly, by covering the terminals in tape and following the disposal regulations in your country/area.

■ **To remove the battery, pressing on the ⊕ side, hold the battery down towards the ⊖ side (❶) and take it out (❷).**



- When replacing the rechargeable battery, replace it with a commercially available rechargeable AAA Ni-MH battery. (HHR-4MVE)

Note

- If, after purchase, you insert the battery and turn on the electronic pen without registering it to the electronic pen adapter, the function indicator blinks green and red alternately. After turning the power off, put the electronic pen on charge or make other preparations. Then, follow the procedure shown on page 13 to set up, connect or register the electronic pen.

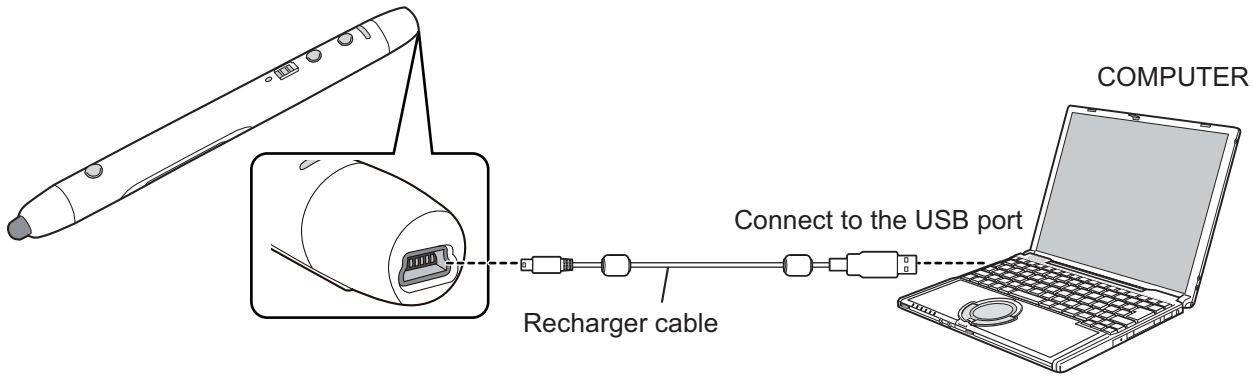
Charging

After purchase, charge the electronic pen before use.

• Charging is not necessary for an AAA alkaline battery.

Connect the recharger port of the electronic pen to the USB port of the computer with the included recharger cable.

• The power indicator lights red and charging starts. (It turns off when charging is completed.)



■ **Guide of charging time and duration time**

Charging time	Duration time
Approx. 4 h*1	Approx. 4 h*2

*1 The time to fully charge the empty battery.
*2 The battery duration time may become shorter depending on the condition of use.

Notice

- If using a rechargeable battery, make sure to use the included or a commercially available rechargeable AAA Ni-MH battery. (HHR-4MVE)
- Do not connect the recharger cable to the Wireless Module connection terminal of the Interactive Plasma Display.
- Alkaline batteries cannot be recharged.
- When you store the electronic pen, avoid full charge and turn the power off.

Note

- You can not use the electronic pen while charging.

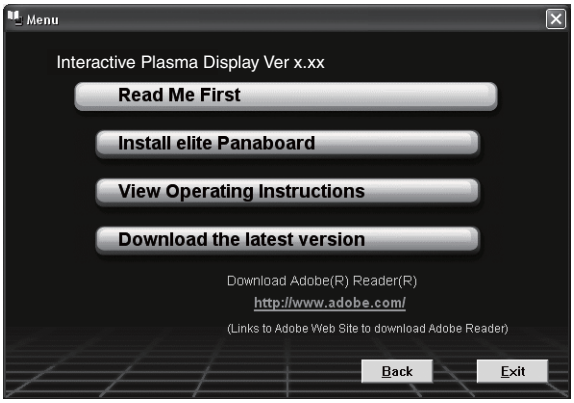
Installing the Software

To install the elite Panaboard driver/software/book, follow the procedure below.

Notice

- Do not connect the electronic pen adapter until the installation is completed.

1. **Turn on your computer and start the Windows operating system.**
   - Log into an account with Administrator privileges.
2. **Insert the included DVD-ROM into the DVD-ROM drive.**
   - The setup screen will be displayed.
   - If the setup screen does not appear, select your DVD-ROM drive in Explorer and double-click [Menu.exe].
   - In Windows Vista or Windows 7, if the Autoplay dialog box is displayed, click [Run Menu.exe].
3. **When the "elite Panaboard" screen is displayed, click the type of device you are using.**
4. **When the "Menu" screen is displayed, click [Read Me First].**



   - After the system requirements are displayed, make sure that your computer meets the requirements.
5. **Click [Install elite Panaboard] on the "Menu" screen.**
6. **If you agree to the terms of the "END-USER LICENSE AGREEMENT", follow the on-screen instructions and accept the "END-USER LICENSE AGREEMENT" to continue with the installation.**
   - In Windows Vista, if the "User Account Control" window is displayed, click [Continue] to continue with the installation.
   - In Windows 7, if the "User Account Control" window is displayed, click [Yes] to continue with the installation.
7. **When the "Select Features" screen is displayed, select the required function or deselect a function that you do not want and then click [Next].**
   - Click the corresponding check box to select or deselect a function.
   - You cannot deselect a function that is shown with a gray check box because it is a mandatory function.
   - When you deselect a function that is already installed, this function will be deleted (uninstalled).
8. **When the installation wizard is displayed, follow the on-screen instructions and continue with the installation.**
9. **When installation has finished, click [Finish].**
   - Restart your computer if you are prompted to do so.
   - The group [elite Panaboard] will be created in the [Panasonic] group in the program menu.
   - The following items will appear in the [elite Panaboard] group (A function that you deselected on the "Select Features" screen in step 7 will not be displayed.):
     – elite Panaboard software
     – elite Panaboard book
     – Pairing Tool
     – Software Help
     – Download the latest version

Note

- To view the Operating Instructions, you must have Adobe® Reader® installed on your computer. If your computer is connected to the Internet, you can download Adobe Reader from Adobe's web site.

Operation

After finishing preparation of the electronic pen and installation of the software, make settings and connections according to the following procedure.

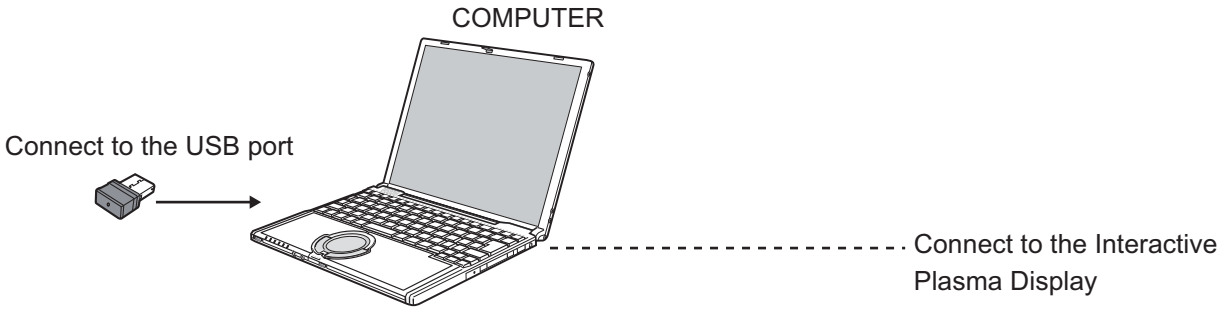
1. Connect a computer to the Interactive Plasma Display

For connection of a computer and the Interactive Plasma Display, see Display Operations of the operating instructions.

■ Before using the electronic pen, make the settings below on the Interactive Plasma Display. For how to make the settings, see Display Operations of the operating instructions.
- Adjust “Pos./Size” so that the screen of the computer can be correctly displayed on the screen of the Interactive Plasma Display.
- Set “Touch-Pen Mode” in the “Setup” menu of Interactive Plasma Display.

2. Connect the electronic pen adapter

Connect the included electronic pen adapter to the USB port of computer.



- Connecting the electronic pen adapter starts up the elite Panaboard software automatically.
- If the elite Panaboard software does not start automatically, disconnect and reconnect the electronic pen adapter.

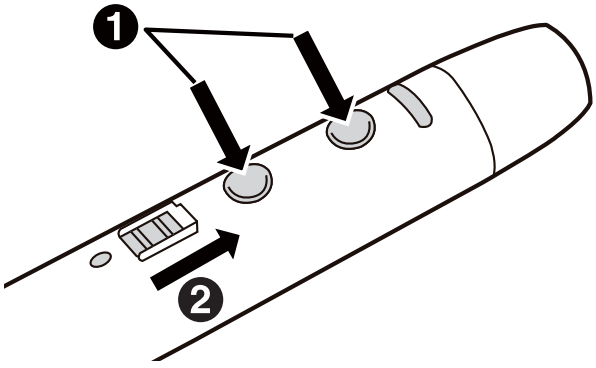
Notice

- Do not connect the electronic pen adapter to the computer if the elite Panaboard driver/software/book has not been installed yet.
  Install the software referring to the procedure of “Installing the Software” before connecting the electronic pen adapter. (see page 12)

3. Register the electronic pen

To use the electronic pen, you need to register it to the electronic pen adapter.

1. **While pressing and holding the function button and Mouse/pen switching button together (❶), slide the power switch to “on” (❷).**
   - The function indicator blinks green and red alternately. The power indicator stays off.



2. **Bring the electronic pen to within 2 m from the electronic pen adapter (remove any obstacle between them)**
   - Registration will be completed in a second. When registration is completed, the function indicator lights green for about one second and the power indicator (which was off) lights green.
   - If a registration error has occurred, the function indicator lights red for about one second. Turn off the electronic pen and perform registration again.

Notes

- See “Registering the Electronic Pen” and “Unregistering All Electronic Pens” in “Software Help” for instructions on unregistering the electronic pen or registering and unregistering the second and subsequent electronic pens. For details on accessing the help information, see “Viewing the Help of the Software” (see page 15).
- If you turn on the electronic pen before registering it to the electronic pen adapter, the function indicator blinks green and red alternately. Turn the power off and register the electronic pen.

4. Starting the elite Panaboard software

Connecting the electronic pen adapter starts up the elite Panaboard software automatically.
The icon is displayed in the notification area, and you can use the elite Panaboard software.

- To display the Select Function Menu, click the Menu Start Tab (left side: / right side:) on the screen.

Example of the Select Function Menu

- To display the Drawing Menu, touch the screen while holding the menu button on the electronic pen.

Example of the Drawing Menu

Notes

- You can also start up elite Panaboard software in either of the following procedures.
  a. From the Start menu of Windows, point to [All Programs] → [Panasonic] → [elite Panaboard] and click [elite Panaboard software].
  b. Click the desktop icon of to start up.
- When the elite Panaboard software is not installed, the icon is not displayed in the notification area. The Menu Start Tab and Drawing Menu of the electronic pen are not displayed on the screen.
- For detailed information about using the elite Panaboard software, refer to the help menu. For details on accessing the help information, see “Viewing the Help of the Software” (see page 15).

■ **Exiting the elite Panaboard software**
Click on the icon in the notification area, and select [Exit] from the menu.

About software

Viewing the Help of the Software

Follow the procedure below to view the help of the software installed on your computer.

1. **Turn on your computer and start Windows.**
2. **Open "Software Help" from the Start menu. ([Start] → [All Programs] → [Panasonic] → [elite Panaboard] → [Interactive Plasma Display] → [Software Help])**
   - General help information of the installed software is displayed.

   Note
   - To access the help information of elite Panaboard software and Electronic Pen, click the icon in the notification area and select [Help] from the pop-up menu.
   - To access elite Panaboard book help information, select [Help...] from the elite Panaboard book [Help] menu.
   - We recommend that you view the help using Internet Explorer® 6.0 or later for Windows.

Uninstalling the Software

If it is necessary to uninstall the elite Panaboard driver/software/book, follow the procedure below.

1. **Turn on your computer and start Windows.**
   - Log into an account with Administrator privileges.
2. **Select [Add or Remove Programs] from the Control Panel.**
   - In Windows Vista or Windows 7, select [Uninstall a program].
3. **Select Panasonic elite Panaboard, then remove it.**
4. **Follow the on-screen instructions.**
5. **When uninstallation is complete, restart your computer.**

Download the Latest Software

Follow the procedure below to download the latest version of the software from the download web site.

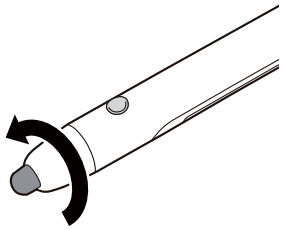
1. **Turn on your computer and start Windows.**
2. **On the Start menu, point to [All Programs] → [Panasonic] → [elite Panaboard] → [Interactive Plasma Display], and click [Download the latest version].**

Additional Information

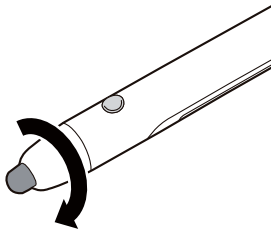
Replacing the pen tip of the Electronic Pen

As the pen tip of the electronic pen becomes worn, the pen tip will no longer slide easily across the screen. Continuing to use the electronic pen in this condition may make the screen dirty and cause malfunction. Replace the pen tip with a new one as soon as possible.

1. Remove the pen tip cover.

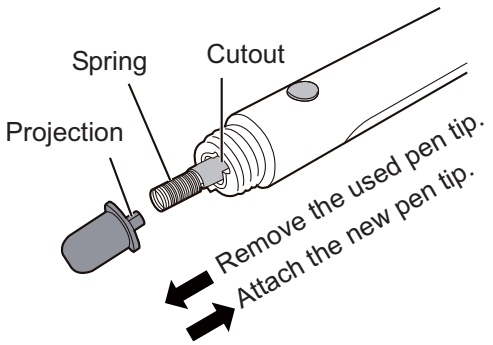


3. Reattach the pen tip cover.



2. Remove the old pen tip and attach the new one.

- Attach the pen tip in such a way that the projection of the pen tip is aligned with the cutout of the pen body.
- Be careful not to lose the spring when replacing the pen tip.



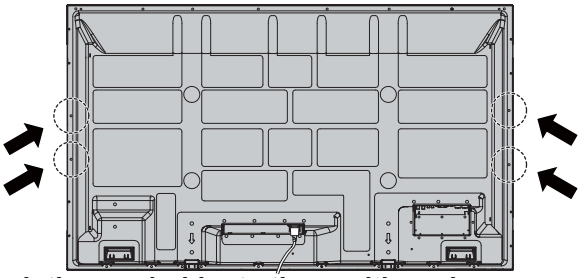
Notice

- Turn off the electronic pen before replacing the pen tip.

Attaching the pen holder

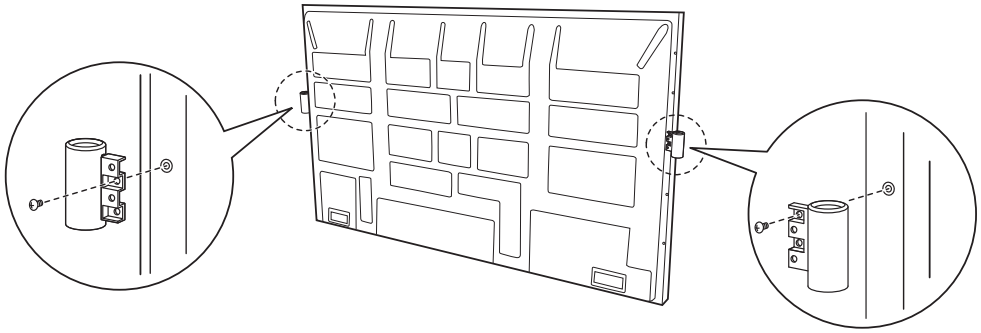
To store the electronic pen, attach the included pen holder to the Interactive Plasma Display.

1. From the eight positions below, select the position to attach the pen holder and remove the screws.



2. Attach the pen holder to the position where you removed the screws.

- Fix the pen holder with the screws you removed.



Notice

- Attach two pen holders one on each side. If two pen holders are attached to the same side, one on top of the other, the lower pen holder cannot hold the pen.

Troubleshooting

When experiencing problems, please refer to the table below for possible solutions. If the problem persists, contact your dealer.

Symptom	Possible cause and solution	See page
The power indicator blinks red	No rechargeable battery is in during charging or a battery incompatible with this electronic pen is charged → Use a rechargeable AAA Ni-MH battery.	9, 10
The power indicator blinks green	The rechargeable AAA Ni-MH battery or alkaline battery is low. → Charge the rechargeable AAA Ni-MH battery or replace the alkaline battery with a new one.	9, 10
The function indicator blinks red and green alternately	The electronic pen is not registered to the electronic pen adapter. → Register the electronic pen to the electronic pen adapter.	9, 13
Drawing response is slow	• Check that your computer satisfies the system requirements of the electronic pen. • Other applications or anti-virus software are active. → Shut down the other applications and anti-virus software.	2
The electronic pen loses the functions. (Buttons are unresponsive.) (Lines written with the electronic pen are broken or colors change.)	• Check that the electronic pen adapter is correctly connected. • Check that the electronic pen is correctly registered to the electronic pen adapter. • Other applications or anti-virus software are active. → Shut down the other applications and anti-virus software. • The rechargeable AAA Ni-MH battery or alkaline battery is low. → Charge the rechargeable AAA Ni-MH battery or replace the alkaline battery with a new one. • The electronic pen is used with the wireless module (ET-WM200E) connected. → Using the electronic pen with the wireless module (ET-WM200E) connected may result in malfunction of the electronic pen due to radio wave interference as an example. In that case, set “Wireless Lan” to “Off” before using the electronic pen.	13 13 2 10 See Network Operations of the operating instructions

Specifications

Type	Electronic pen
Transmission system	2.4 GHz radio transmission
Power source	Rechargeable AAA Ni-MH battery × 1 or AAA alkaline battery (LR03) × 1
External dimensions (L × H)	198.5 mm × 22.1 mm
Weight	Approx. 40 g (including the included rechargeable battery)
Operation time	Approx. 4 h (Rechargeable AAA Ni-MH battery) Approx. 4 h (AAA alkaline battery)
Charging time	Approx. 4 h (Rechargeable AAA Ni-MH battery)

Interactive Plasma Display

CE

Declaration of Conformity (DoC)
“Hereby, Panasonic Corporation declares that this display is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC, Directive 2004/108/EC, Directive 2006/95/EC and Council recommendation 1999/519/EC.”

If you want to get a copy of the original DoC of this display, please visit the following website:
http://www.doc.panasonic.de

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